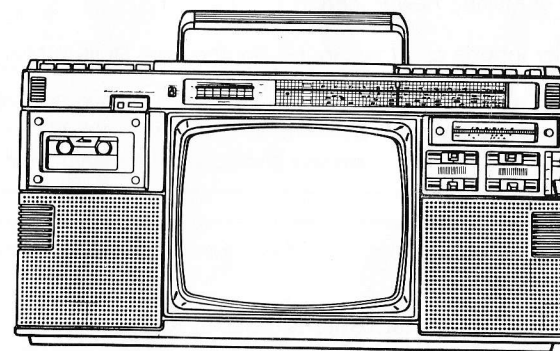


Operating Instructions

TV with 4-band/stereo
cassette recorder

Model TR-1200X



Panasonic®

Read these instructions completely, before operating this set.

Panasonic Company
Division of Matsushita Electric
Corporation of America
One Panasonic Way, Secaucus,
N.J. 07094

Panasonic
Hawaii, Inc.
320 Waiakamilo Road,
Honolulu, Hawaii 96817

Matsushita Electric Sales
(Europe) GmbH.
Hirtenstrasse 9 11 6000
Frankfurt/Main, F.R. Germany

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Dear Panasonic Customer

Welcome to the Panasonic family of customers. It is our desire that you have many years of enjoyment from your new product.

In keeping with the state of the art, we have built quality, reliability and performance into your units. However, for best performance, a television receiver should be suitably situated in the home and properly adjusted. Proper installation practices and adjustments are easy to accomplish.

As additional automatic circuits are designed into the product, it becomes beneficial for you to learn how to take advantage of these features.

This booklet will help you understand this unit, and that you will find that Panasonic is "Just slightly ahead of our time".

Customer's Record

The serial number of this product may be found on its back cover.

You should note the model and serial number of this unit in the spaces provided and retain this sheet as a permanent record of your purchase to aid in identification in the event of theft.

Model Number TR-1200X

Serial Number FC-1220169

This set is designed in accordance with the 625 line C.C.I.R, Italian, U.K. Broadcast standards and the 525 line NTSC channel system, therefore can not be used in countries that have a different broadcasting system.

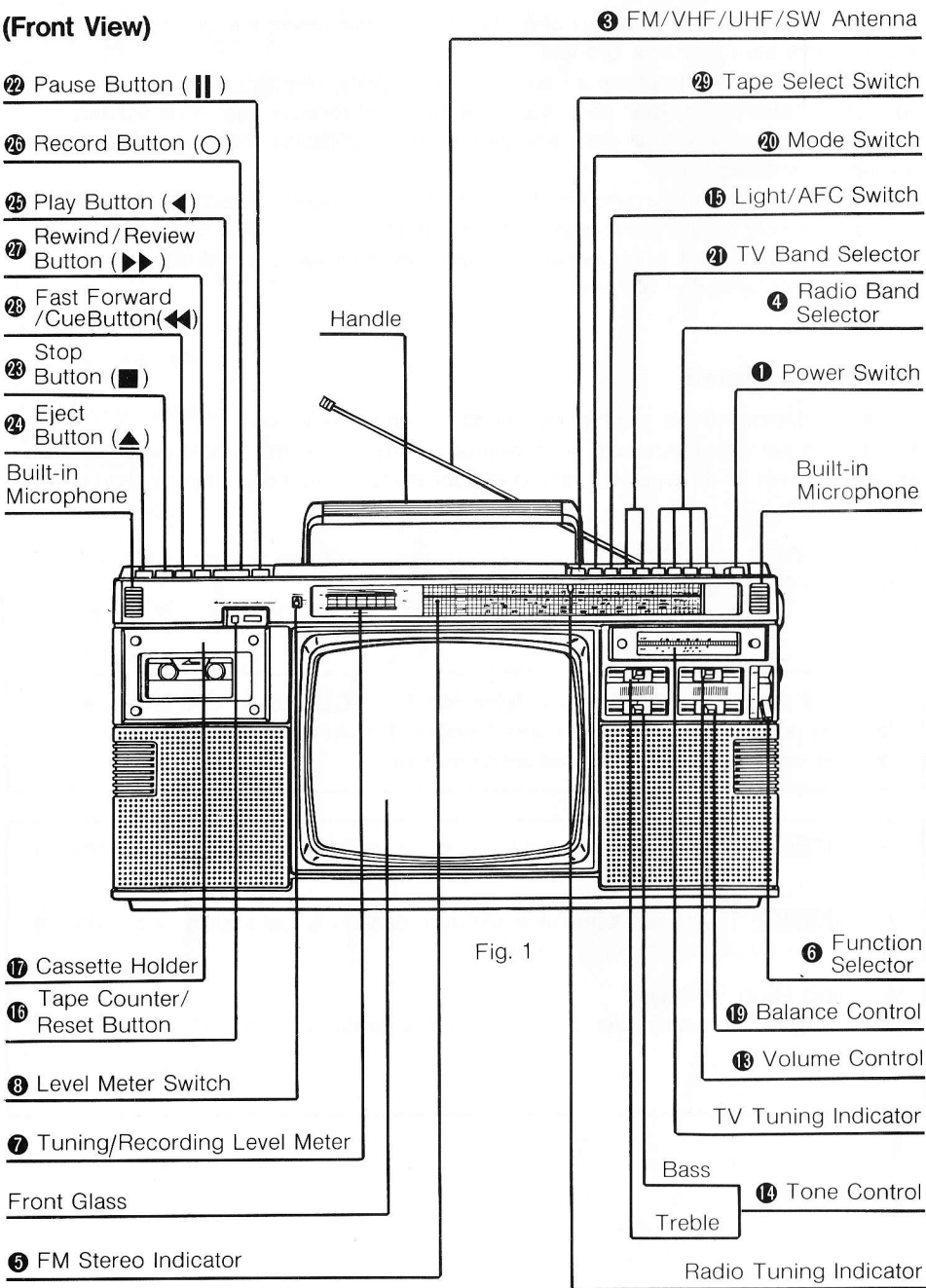
CAUTION: Remove plug from wall outlet when reciver is not in use for a prolonged period.

WARNING: To prevent damage which may result in fire or shock hazard, do not expose this TV receiver to rain or moisture.

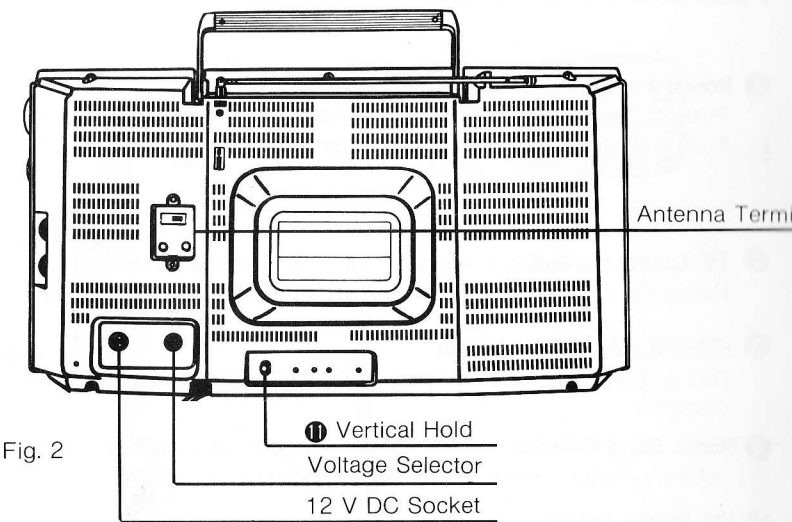
Warning High Voltage:
Live parts are accessible when the back cover is removed.

Location of Controls

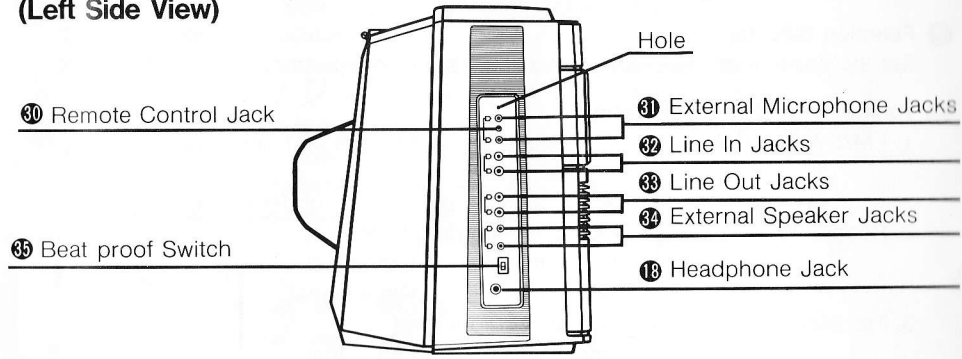
(Front View)



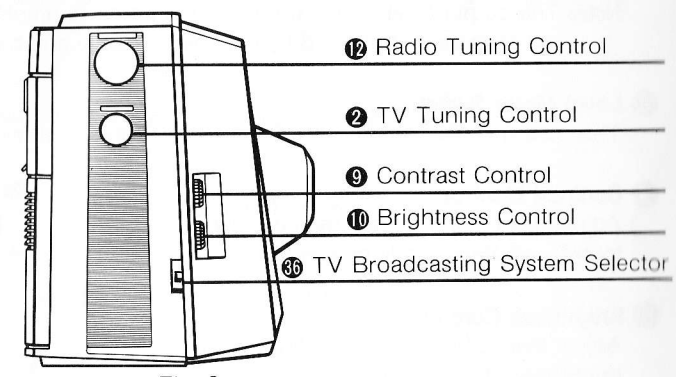
(Back View)



(Left Side View)



(Right Side View)



Function of Controls

1 Power Switch

Push the power switch to turn the power on.
Push it again and the power is turned off.



2 TV Tuning Control

Rotate the tuning control to set the pointer to the desired channel on the tuning indicator.

3 FM/VHF/UHF/SW Antenna

This antenna is common to FM, VHF, UHF, SW channels. Refer to antenna section on page 10.

4 Radio Band Selector

Set the selector button to the desired radio band. FM, SW, MW or LW.

5 FM Stereo Indicator

When FM stereo signal is received, this indicator illuminates.

6 Function Selector

Set this selector to the desired TV, radio, tape or line-in mode.

7 Tuning/Recording level meter

1. FM/SW/MW/LW..... 1. Indicates signal strength and tuning accuracy on upper meter
2. Indicates output level on under meter.
2. Recording..... Indicates recording level.
Upper meter..... Left signal
Under meter..... Right signal
3. Playback..... Indicates output level.
Upper meter..... Left signal
Under meter..... Right signal
4. TV..... Indicates output level on under meter.

Note: The output level means output signal from pre-amplifier, therefore, the meter indication is not affected by changing volume and balance controls.

8 Level Meter Switch

This switch is used to turn the Tuning/Recording level meter on or off.

9 Contrast Control

Adjust this control to vary the contrast to between dark and light scenes.



10 Brightness Control

Adjust this control to change the overall brightness of the picture.



11 Vertical Hold

Adjust this control to stop the picture from "rolling" either up or down as shown in the illustration.

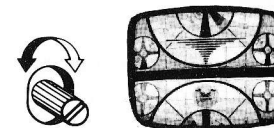


Fig. 6

12 Radio Tuning Control

Rotate the tuning control to set the pointer to the desired station number on the tuning indicator.

13 Volume Control

Adjust this control to your desired sound level.

14 Tone Controls (Bass & Treble Control)

Adjust these controls to your desired sound quality.

15 Light/AFC Switch

When this switch is depressed, the following occurs in TV or radio.

- 1) TV and Radio indicators light.
- 2) FM-AFC (automatic frequency control) is defeated to facilitate FM tuning.

16 Tape Counter/Reset Button

The counter's digits correspond to recorder tape information, so you may select pre-recorded sections easily.
Press the reset button to return the digits to "000".

17 Cassette Holder

Insert the cassette into the holder and press to close.
Refer to inserting the Cassette section on page 13.

18 Headphone Jack

Insert the headphone plug into the headphone jack. The speaker will not operate during this mode.

19 Balance Control

Adjust this control to set the best balance of right and left sound.

20 Mode Switch

Set this switch to "Stereo" or "Mono (monaural)" position.

21 TV Band Selector

Set the selector to the desired TV band, UHF or VHF.

Pause Button (||)

When pushed, this button locks in place and stops the tape transport. Push again to resume operating.

Note:

When tape movement is temporarily stopped in this manner, the power source is not switched off. push the stop button and set the power switch to its "Off" position to set the power to "off".

Stop Button (■)

Push this button to stop the cassette tape operation and set the power to "off" position.

Eject Button (▲)

Push this button deeply to open the cassette holder.

Play Button (◀)

Push this button for tape playback. When the tape reaches the end, this button returns to its original position.

record Button (○)

Push both record and play buttons together for recording mode. Both buttons return to their original position when the tape travel is finished.

Rewind/Review Button (▶▶)

Push the rewind button for rapid tape rewind.

If during tape playback, the rewind/review button is partially depressed, the tape will rapidly rewind and tape sound can be heard (although garbled) as long as the button is depressed. When the button is released, tape playback will resume from that point.

Fast Forward/Cue Button (◀◀)

Push this button for rapid tape advance.

If during tape playback, the fast forward/cue button is partially depressed, the tape will be moved rapidly forward and the sound can be heard (although garbled) as long as the button is depressed. When the button is released, the tape playback will resume from that point.

Note:

If the fast forward/cue button or the rewind/review button is pushed during recording, the recording button will return to its original position.

Tape Select Switch

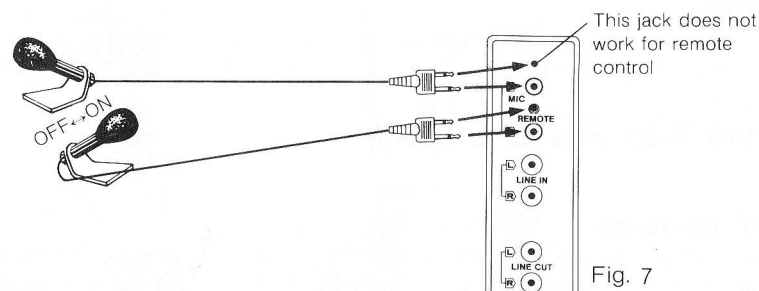
Set this switch to "normal" or "CrO₂" position.

30 Remote Control Jack

Some external microphones are supplied with a remote control switch. Connect the remote control plug into the jack as shown in Fig. 7.

31 External Microphone Jack

Connect the external microphone into the jack as shown in Fig. 7.



32 Line in Jacks

Refer to recording from other sound source section on page 17.

33 Line out Jacks

Refer to amplifier section on page 22.

34 External Speaker Jacks

Use these jacks for connecting to external speakers. Refer to page 22.

35 Beat proof Switch

When recording AM broadcast, "piping sound" may be heard.

In this case set this switch to "1" or "2" position to cut the "piping sound" off.

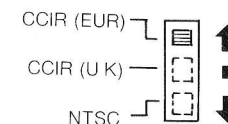
36 TV Broadcasting System Selector

Set the broadcasting system selector to your local television broadcasting system.

In Europe & in Italy Set to CCIR (EUR) position

In U. K. Set to CCIR (U K) position

In U.S.A. Set to NTSC position



Installation

Receiver Location

The receiver should not be operated within an enclosed or poorly ventilated area. This may cause premature electrical component failure. Position the set to avoid direct sunlight on the picture tube. Generally, adjust lighting and set position to minimize undesirable reflections.

Caution:

Do not operate this set in extremely hot areas, within a sun baked automobile or similar enclosure. A good indication of excessive heat can be judged by "a too hot to touch" cabinet.

Two Way Power Supply

AC Operation

This set may be operated on 120V, 220V or 240V at 50/60Hz. The voltage selector is preset to 220V at the factory. Before using the set, check the power voltage of your area and change the selector as required by a coin as shown in Fig. 9.

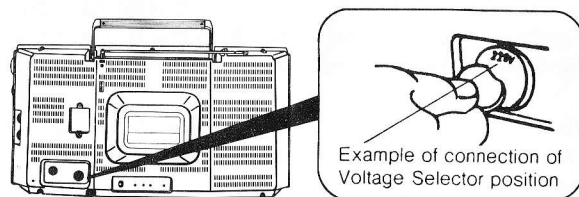


Fig. 9

After making the setting, connect the AC power cord to any house hold wall socket. If the AC power plug does not fit your outlet, make connection by using "A" adaptor with AC power plug.

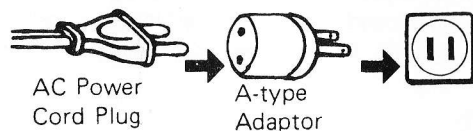


Fig. 10

Power/Changeover

This set will automatically changeover to the car battery operation if car battery cord is plugged into the DC socket. If you operate the set on AC power, you should remove the DC plug from the DC socket.

Car Battery Operation

The enclosed car battery cord can be plugged into the standard cigarette lighter socket used in most car.

This car battery cord is factory wired for negative ground 12 volt battery systems.

Usage

Remove the cigarette lighter and insert the battery cord plug in its place.

Insert the other end into the TV set's DC socket. (See Fig. 11)

Turn the set on and operate as desired. The chassis of this set is connected to the negative side of the battery. When operating with a battery in a positive grounded system, **be careful not to allow the set to contact any part of the car body.**

A short circuit could occur and blow the fuse in the car battery cord. (See Fig. 12). If the fuse in the cord blows, remove the screw cap and insert a new 2.5 ampere fuse.

For proper protection, be sure to use a correctly rated fuse.

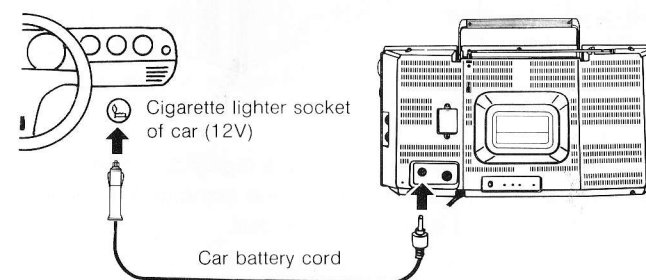


Fig. 11

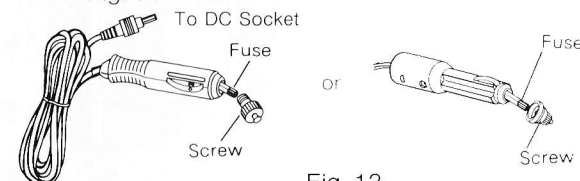


Fig. 12

Any damage to this set due to improper voltage and/or polarity is not covered by the warranty.

Antennas

Built-in Antennas

1. FM/VHF/UHF/SW Rod Antenna In a normal reception area, the FM/VHF/UHF/SW rod antenna will deliver a sharp picture and clear sound. Set the antenna changeover switch to the "ROD" position, then extend the antenna. Adjust the length, direction and angle as shown in Fig. 13.

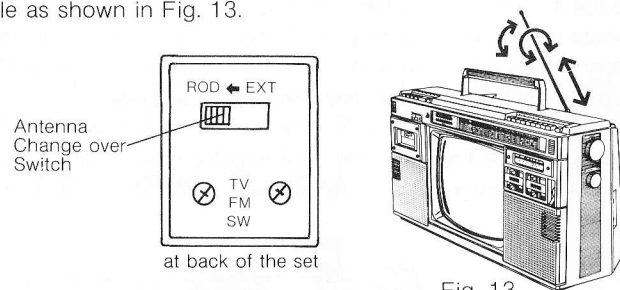


Fig. 13

Note: Avoid pulling or pushing the top section of the antenna.

2. LW/MW Ferrite-Core Antenna This antenna is highly directional. For the best reception on LW or MW band, slowly rotate the set and compare the received sound as shown in Fig. 14. Also, this antenna is always connected.

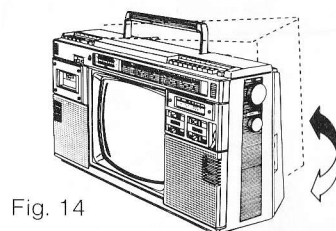


Fig. 14

External Antenna (TV/FM/SW)

Where broadcasting conditions are unfavorable, an external antenna should be used. Set the antenna changeover switch to the "EXT" position and connect the external antenna cable to the antenna terminal at the back of the set as shown in Fig. 15.

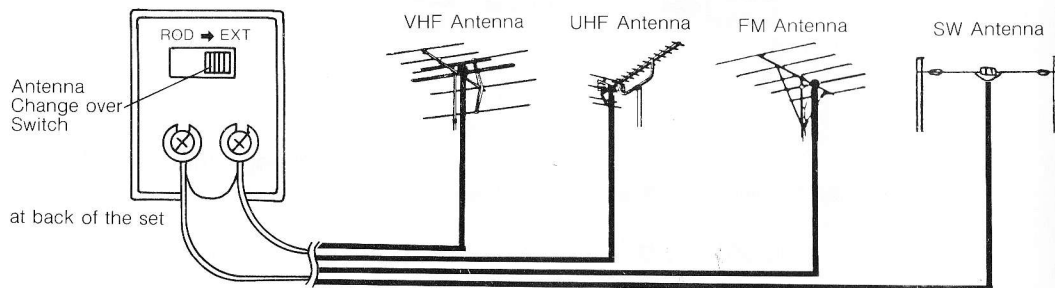


Fig. 15

TV Operation

STEPS 1 TO 9

- 1 Push the power switch to turn the power on.
- 2 Set the function selector to "TV" position.
- 3 Set the broadcasting system selector switch to broadcasting system at your area.
- 4 Set the TV band selector to the desired TV band.
- 5 Adjust the TV tuning control to set the pointer to the desired TV channel on the indicator.
 - Depress the Light/AFC switch, and tuning indicator illuminates.
- 6 Adjust the antenna. Refer to antenna section page 10.
- 7 Adjust the brightness and contrast controls to the best balance between dark and light area.
- 8 Adjust the volume, bass, treble and balance controls to the desired sound volume level and quality.
- 9 When TV operation is completed, set the power switch to "off" position.

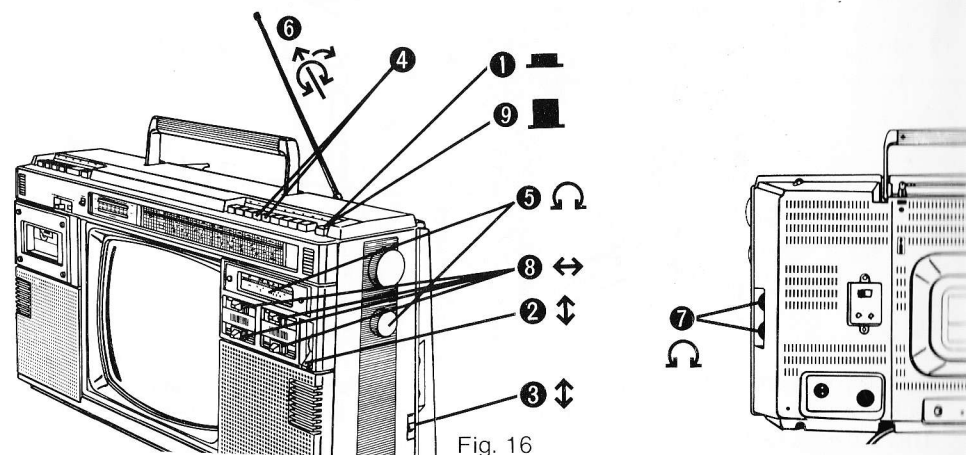


Fig. 16

Symbol Mark

	Power "On"		Power "Off"		Insert cassette tape		Push
	Push two buttons simultaneously		Select		Adjust		Select
					Adjust antenna		

Radio Operation

STEPS 1 TO 8

- 1 Push the power switch to set "on" position.
- 2 Set the function selector to "radio" position.
- 3 Push the radio band selector to set the desired radio band.
- 4 Set the mode selector to "stereo" or "mono" position.
- 5 Adjust the radio tuning control to set the pointer to the desired radio station on the tuning indicator. Set the tuning control to the point where tuning indicator (upper meter) indicates maximum position. Depress the light/AFC switch to:
 - 1. Illuminate the tuning indicator.
 - 2. Defeat the AFC to facilitate FM tuning.
- 6 Adjust the antenna. Refer to page 10.
- 7 Adjust the volume, bass, treble, balance controls to the desired sound volume and quality.
- 8 When radio operation is completed, set the power switch to "off" position.

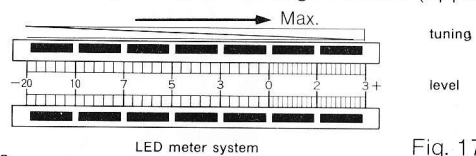


Fig. 17

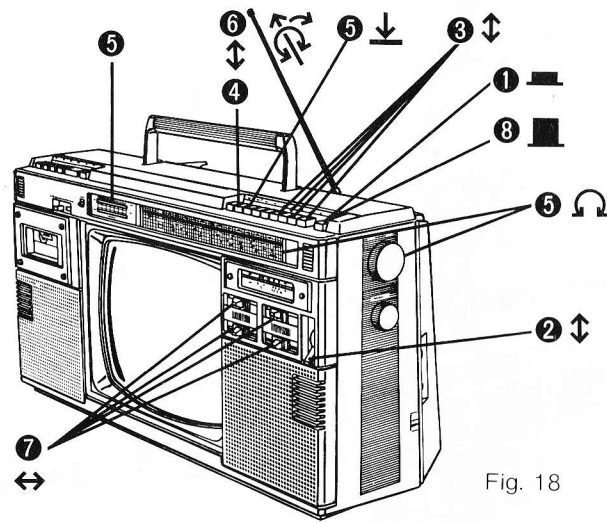


Fig. 18

Note: If you receive FM signals where receiving conditions are unfavorable (FM stereo indicator is flashing or does not illuminate), set the mode selector to "mono" position. This provides better listening, but not stereo sound.

Symbol Mark

Push two buttons simultaneously	Power "On"	Power "Off"	Insert cassette tape	Push
Select	Adjust	Select	Adjust antenna	

Cassette Tape

Selection of the Cassette Tape

A wide selection of cassette tapes are available. 90 minute tapes are extremely fragile and must be handled with extreme care. The likelihood of cassette failure increases greatly with playing time. We strongly recommended not using tapes longer than C-90.

Note: When using chromium dioxide (CrO₂) tape, set the tape select switch to "CrO₂" position.

Prevention of Accidental Erase

As shown in Fig. 19, a cassette has plastic tabs which are necessary for recording. If you wish to preserve a recorded tape, simply break each tab with a small screw driver as shown in Fig. 20. In case you wish to record on a tape with broken tabs, attach adhesive tape as shown in Fig. 21.

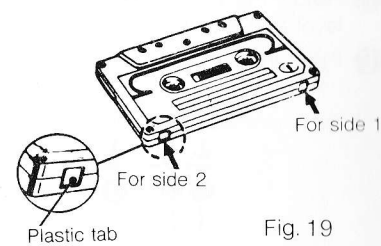


Fig. 19

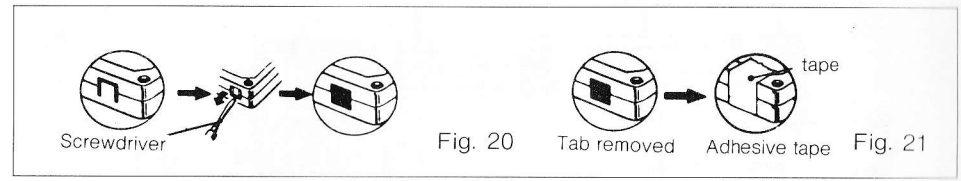


Fig. 20

Fig. 21

Inserting the Cassette

- 1. If the tape is loose, tighten it with a pencil as shown in Fig. 22.
- 2. Push the Eject button and insert the tape into the cassette holder as shown in Fig. 23.
- 3. Close the cassette holder completely.

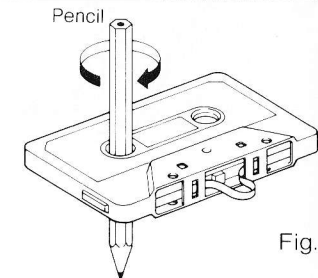


Fig. 22

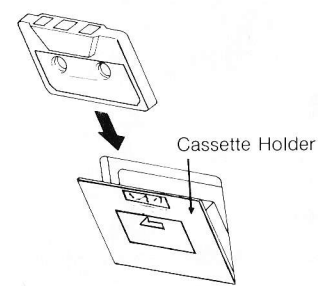


Fig. 23

Caution: Do not touch the tape with your fingers.



Fig. 24

Playback

STEPS 1 TO 8

- 1 Push the eject button to open the cassette holder.
- 2 Insert the cassette (recording tape facing up) and close it completely.
- 3 Set the function selector to "tape" position.
- 4 Set the mode selector to "stereo" or "mono" position.
stereo: To listen to the stereo tape.
mono: To listen to the monaural tape.
- 5 Set the tape selector to "normal" or "CrO₂" position.
- 6 Push the playback button.
- 7 Adjust the volume, bass, treble and balance controls to the desired sound volume level and quality.
- 8 Push the stop button to set the power to "off" position.

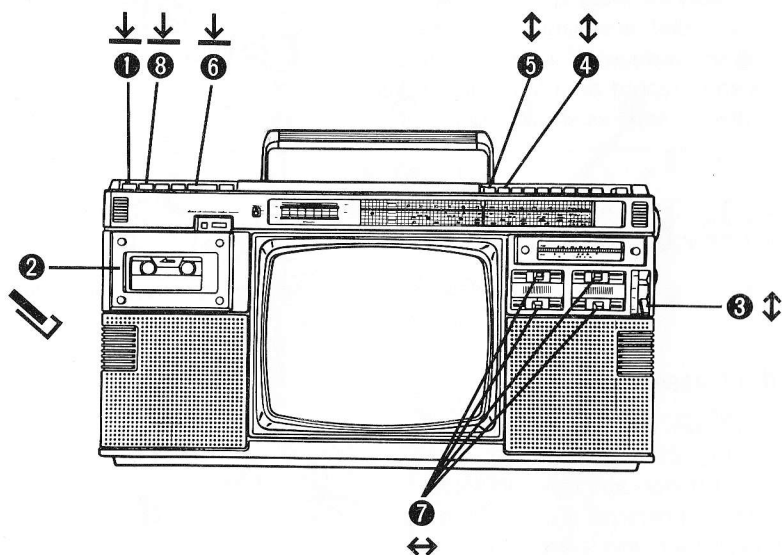


Fig. 25

Symbol Mark



Cassette Tape Recorder Function

●Automatic Stop System

When the tape reaches the end during playback or recording mode, electric power will automatically turned to "off" by the tape drive mechanism. The playback and record buttons will return to their original position.

- Notes:**
1. The Automatic Stop System does not function during Fast Forward or Rewind. When using these buttons, be sure to push the stop button and set the power to "off" by hand when finished.
 2. In case the power switch is placed in the "on" position, the electric power will automatically (switch to) "off" by the tape drive mechanism.

●Recording

This unit contains automatic recording level control.

When one side of the tape is finished, remove the cassette, turn it over and re-insert it into the holder. Note that any previous recording will be automatically erased when a new recording is being made.

Erasing without Making New Recording

STEPS 1 TO 5

- 1 Push the eject button to open the cassette holder.
- 2 Insert the cassette (recording tape facing up) and close it completely.
- 3 Set the function selector to "line in" position.
Caution: Do not connect any cord to the line jacks.
- 4 Push the record and playback buttons simultaneously.
- 5 Push the stop button to set the power to "off".

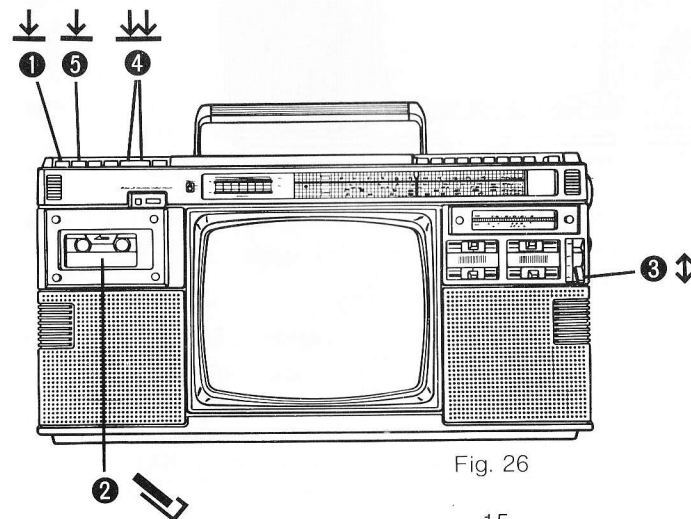
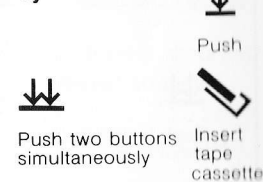


Fig. 26

Symbol Mark



Recording from Built-in Microphone, External microphone or Other Sound Source

STEPS 1 TO 10

- 1 Push the eject button to open the cassette holder.
- 2 Insert the cassette (recording tape facing up) and close it completely.
- 3 Set the function selector to "tape" or "line in" position.
Tape: To use with built-in microphone or external microphone.
Line in: To use with external microphone or other sound source.
- 4 Set the mode selector to "stereo" or "mono" position.
- 5 Set the tape selector to "normal" or "CrO₂" position.
- 6 Refer to next page for recording.
- 7 Push pause button to stop the tape transport.
- 8 Push both record and playback buttons simultaneously.
- 9 Push the pause button again to start the tape operation.
- 10 Push the stop button to stop the tape.

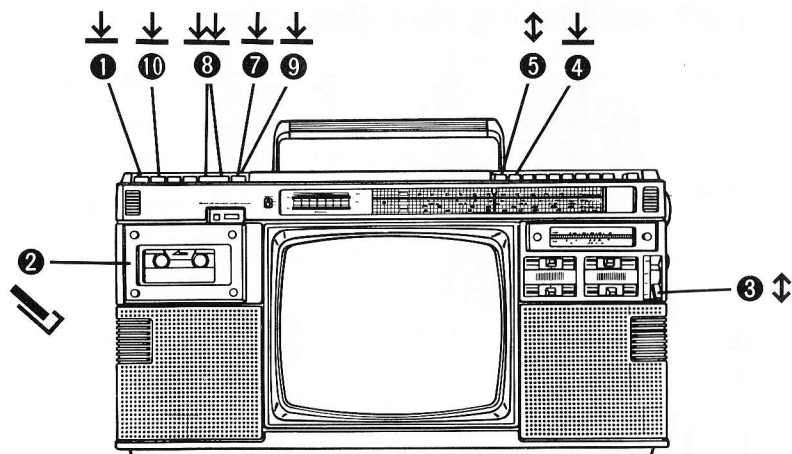
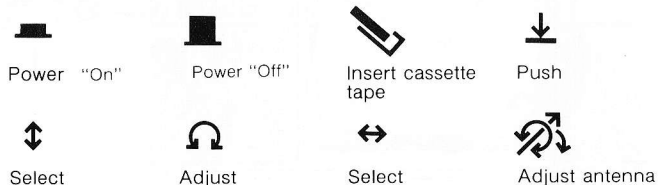


Fig. 27

Symbol Mark



Recording from Built-in Microphone

1. When recording from built-in microphones, external microphone plugs must be removed.
2. When recording from built-in microphones, you can not monitor using internal speakers. In this case, monitor the microphones sound through the head-phone or external speaker jacks.
3. When recording a sound source using built-in microphones on stereo mode and you playback the recorded tape, you will hear the stereo sound from the opposite direction. If you require correct playback sound, use the external microphones.

Note: If you wish to record low level sounds, such as bird song, we recommend the use of external microphones to give better result.

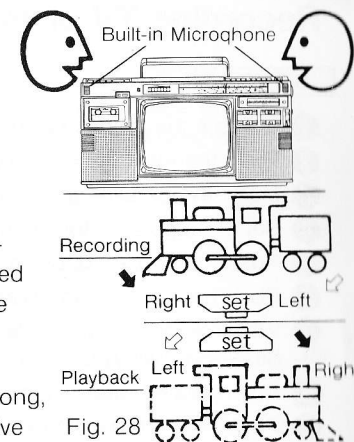
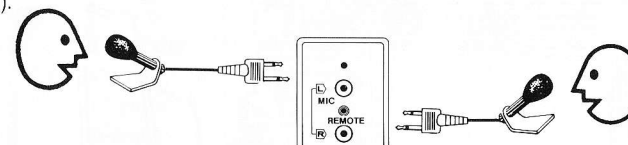


Fig. 28

Recording from External Microphones

1. When recording using two external microphones, the microphones should have the same specifications.
2. When recording to use an external microphone, set the mode selector to "mono" position.
3. Hold or place the external microphones away from the speakers to avoid feedback (howling).



Recording from Other Sound Source

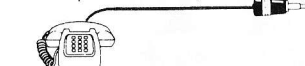
Recording from Radio



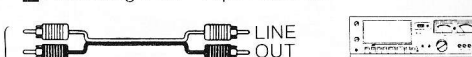
Recording from Tape Recorder



Recording from Telephone Pick up



Recording from Tape Recorder



Recording from 8 Track Player



Recording from amplifier



Specified Recording Level

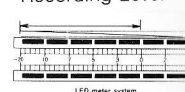


Fig. 29

- Notes:**
1. Excessive audio level applied to the "LINE IN" jacks will result in poor recorded sound. The audio level can only be adjusted at its source (external amplifier, etc.) to meet the specified meter recording level.
 2. Adjust the external source so that the average meter swing is not greater than ZERO except momentary peaks.
 3. Note the above optional recording inter connect cables are available at most audio stores.

Recording TV or Radio

STEPS 1 TO 10

- ① Operate the unit as per procedures for TV 1-9 on page 11 or radio 1-8 on page 12.
- ② Push the eject button to open the cassette holder.
- ③ Insert the cassette (recording tape facing up) and close it completely.
- ④ Set the tape selector to "normal" or "CrO₂" position.
- ⑤ Push the pause button to lock the tape transport in.
- ⑥ Push both record and playback buttons simultaneously.
- ⑦ When recording MW radio sound, "piping sound" may be heard. In this case, set the beatproof switch to "1" or "2" position to cut it off.
- ⑧ Push pause button again to start the tape operation.
- ⑨ Push the stop button to stop the tape.
- ⑩ Set the power switch to "off" position.

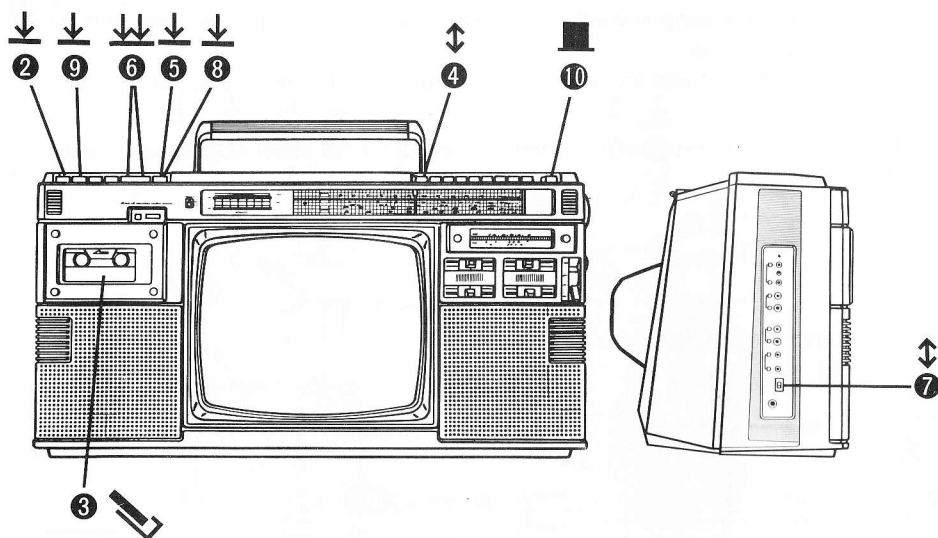


Fig. 30

Symbol Mark



Mixing Operation

It is possible to mix the external microphone sounds with the playback tape, TV, radio, or other sound source. Both sounds will be heard together from the speaker or recorded on the tape.

● Mixed Playback

Playback tape + External microphones

1. Connect the external microphones to the external microphone jacks.
2. Operate the unit as per the procedures for playback mode.
3. Set the mode selector to "stereo" or "mono" position.

Note: The microphone volume can be controlled only by decreasing the volume of the sound introduced through it. Hold or place the microphone away from the speakers to avoid feed back (howling). If the microphone has remote control switch, it must be "On" to operate the tape. This switch controls the tape transport.

Other sound source + External microphone

1. Connect the external microphones to the external microphone jacks.
2. Connect the output of other sound source to "LINE IN" jacks.
3. Set the power switch to "On" position.
4. Set the selector to "LINE IN" position.
5. Set the mode selector to "stereo" or "mono" position.
6. Adjust the sound volume, tones and balance control to your desired volume level and quality.

TV or Radio sound + External microphone

1. Connect the external microphone to the external microphone jacks.
2. Operate the unit as per the procedures for TV or Radio mode.
3. Set the mode selector to "stereo" or "mono" position.

● Mixed Recording

TV or Radio sound + External microphone

1. Operate the unit as per the procedures for TV or radio mode.
2. Connect the external microphones to the external microphone jack.
3. Set the mode selector to "stereo" or "mono" position.
4. Push the pause button to stop the tape.
5. Push both record and playback buttons simultaneously.
6. Push the pause button to start the recording.

Other sound source + External microphone

1. Connect the external microphones to the external microphone jacks.
2. Connect the output terminals of other sound source to "LINE IN" jacks.
3. Set the selector to "LINE IN" position.
4. Set the mode selector to "stereo" or "mono" position.
5. Push the pause button to stop the tape.
6. Push both record and playback buttons simultaneously.
7. Push the pause button to start the recording.

Caution: After operation is completed, set the power switch to "off" position.

Sleep Timer Operation

STEPS 1 TO 6

- ① Operates the unit as per the procedures for TV 1-9 on page 11 or radio 1-8 on page 12.
- ② Push the eject button to open the cassette holder.
- ③ Insert the cassette (recording tape facing up) and close it completely.
 - 1. The information in the right table shows the various length of time in which the automatic stop system functions, depending on the length of tape itself.
 - 2. You can use recorded tape or blank tape.
- ④ Set the power switch to "off" position.
- ⑤ Push the playback button.
 - You can listen to the radio or watch TV even if playback mode is pressed. Move function selector to the desired position.
 - In case you desire to record the TV or radio sound, push both record and playback buttons.
- ⑥ When the tape reaches the end, the automatic stop system will set the power to "off" position.

Cassette Type	Time On One Side
RT-30 (C-30)	15 minutes
RT-60 (C-60)	30 minutes
RT-90 (C-90)	45 minutes

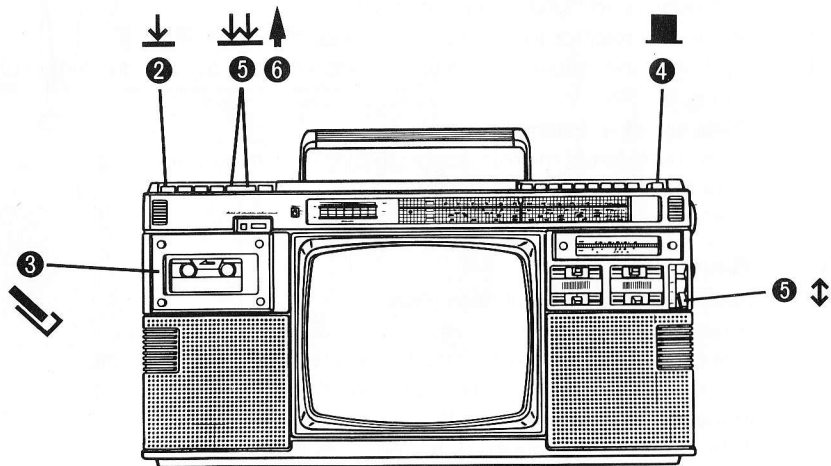


Fig. 31

Symbol Mark



Amplifier/P.A. System

STEPS 1 TO 6

- ① Connect the external microphones to external microphone jacks.
- ② Set the power switch to "on" position.
- ③ Set the function selector to "line in" position.
- ④ Set the mode selector to "stereo" or "mono" position.
 - stereo: To use two microphones
 - mono: To use one microphone
- ⑤ Adjust the volume, bass, treble and balance controls to your desired sound level and quality.
- ⑥ When amplifier operation is completed, set the power switch to "off" position.

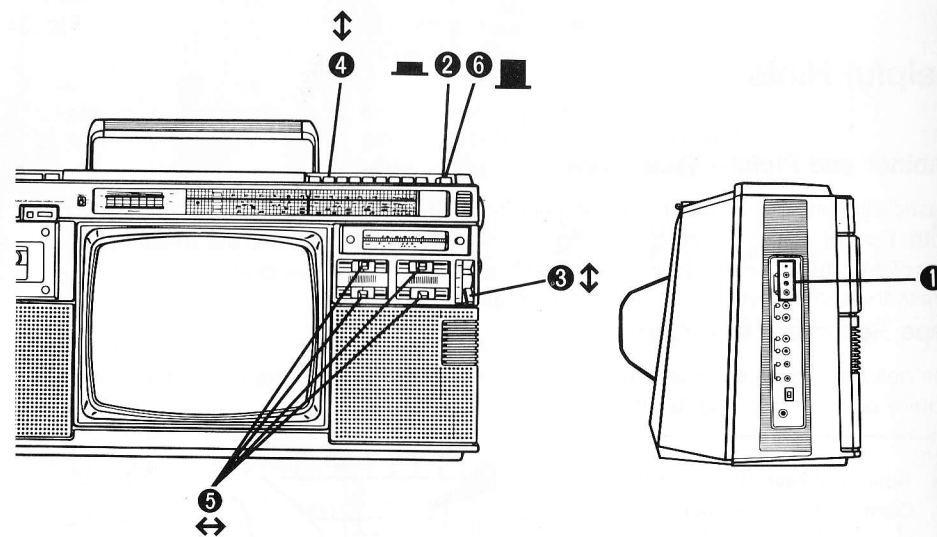


Fig. 32

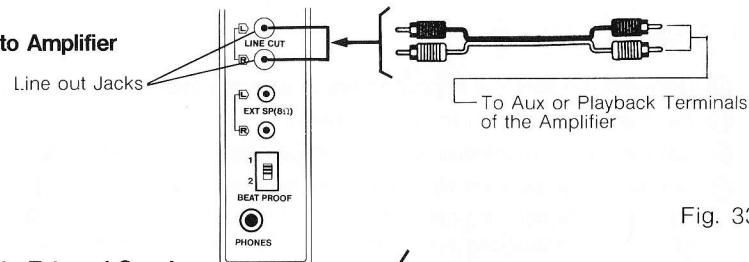
Note: If howling is occurs, use the external microphones as far from the speakers as possible or decrease the volume.

Symbol Mark

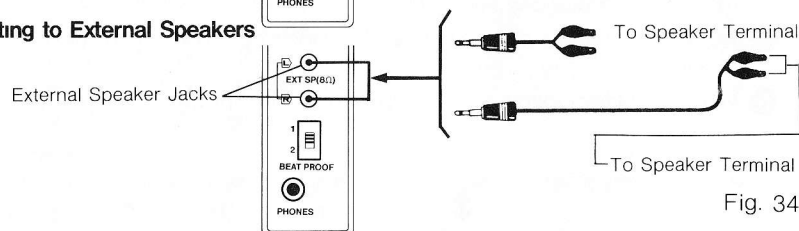


External Amplification/External Speaker Connection

Connecting to Amplifier



Connecting to External Speakers



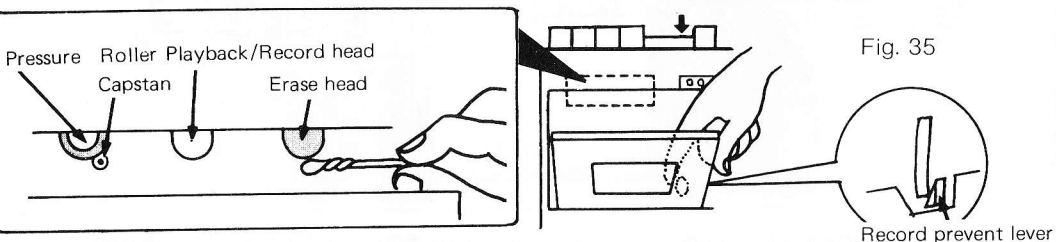
Helpful Hints

Cabinet and Picture Tube Care

Plastic cabinets can be kept in good condition simply by wiping them with a clean, damp cloth. Do not use solutions containing benzol, petroleum, or chemically treated cloths. The picture tube face may be cleaned with a damp soft lint-free cloth. (Press the top corners to remove the front glass)

Tape Recorder Head Care

The head and capstan assemblies are in constant contact with the tape. As a result, they require periodic cleaning as shown below.



1. Press the Eject button to open the holder and while pressing the Record Prevent Lever located inside the holder, push both the Play and the Record buttons simultaneously. (See Fig. 35)
2. Clean the Erase Head, Record/Playback Head and Capstan with a cotton swab or a small piece of wood wrapped in a soft cloth. **Use only pure alcohol or commercially available head cleaning solutions.**

Note: Do not bring magnetic materials, such as a magnetic screwdriver or metal, near the head assembly.

In Case of Difficulty

If your set fails to operate properly, check the following points before seeking service.

Problems—TAPE/RADIO	Possible Causes	Refer to
No power	● AC cord not plugged in. ● Car cord not properly connected.	Page 8 9
Background noise on FM signal.	● Incorrect antenna.	10
Unable to insert cassette.	● Direction of cassette incorrect. ● Play button depressed. ● Cassette distorted.	13 13 13
Unable to push record button.	● Cassette not inserted. ● Another button already depressed. ● Recording prevention tab broken.	16 16 13
Playback will not function.	● Pause button locked down. ● Remote switch on microphone turned off.	6 7
Faint, distorted or scratchy sound.	● Dirty Playback/Record Head.	22
Original sound does not erase.	● Dirty erase head.	22
Tape speed irregular	● Cassette tape loose. ● Poor quality tape.	13 13
Fast forward, Rewind will not function.	● Remote switch on microphone turned off.	8

Problems—TV	Possible Cause	Refer to
No brightness No sound	● AC cord not plugged in. ● Power not available at outlet.	8 8
Picture snowy	● Check antenna & connection. ● Check tuning.	10 11
Picture too bright Picture too dark	● Check brightness and contrast settings.	11

Note: If you have problems that can not be easily corrected, disconnect the AC or DC plug and call your local dealer or service centre.

Specifications

Power Source :	AC 120V/220V/240V, 50Hz/60Hz, DC 12V.			
Power Consumption :	AC 50W, DC19W.			
Receiving Channels :	TV	VHF	USA	2-6, 7-13
		CCIR		3-4, 5-10
		Italian		A-H
	UHF	USA		14-83
		CCIR	}	21-69
		UK		
	Radio FM; 87.5 MHz — 108 MHz			
	LW; 145 kHz — 285 kHz			
	MW; 525 kHz — 1605 kHz			
	SW; 5.9 MHz — 18.0 MHz			
Picture Tube .	12inches (31 cm), 90° Deflection			
Speakers :	2 each 12 cm & 3 cm round type			
Audio Output :	5 W + 5 W max. 3 W + 3 W at 10% harmonic Dist. on AC operation.			
External Microphone Jack :	Impedance	200—600 Ohm × 2		
	Maximum Sensitivity	0.25 mV		
Line Input Jack :	Impedance	50 kOhm × 2		
	Maximum Sensitivity	420 mV		
Line Output Jack :	Impedance	47 kOhm × 2		
	Maximum Output	380 mV		
Semiconductors :	TV	Radio	Cassette	
	IC	6 pcs	2 pcs	4 pcs
	Transistor	7 pcs	4 pcs	25 pcs
	Diode	18 pcs	7 pcs	13 pcs
Headphone Jack :	Stereo type, Impedance 8 Ohm			
Tape Speed :	4.8 cm/sec.			
Fast Forward & review time :	approx. 120 sec. with C-60 tape			
Dimension :	32.6 cm (H) × 64.3 cm (W) × 32.1 cm (D)			
Weight :	12.7 Kg (set only)			

Accessories

Car Battery Cord.....	1
A Adaptor.....	1